

**ENVIRONMENTAL ASSESSMENT FORM
SUPPLEMENTAL INFORMATION ATTACHMENT**

Brooklyn Avenue Substation Project (the “Proposed Action”)

Part 1

The following discussion is limited to the major components of the Proposed Action only (the Proposed Substation, distribution exit feeders and transmission pole activities). Evaluation of the distribution C&R work areas was excluded from the following analysis given the routine nature, and vast geographical extents of these activities.

E.1.d.i – Facilities serving children, the elderly, people with disabilities (e.g. schools, hospitals, licensed day care centers, or group homes) within 1,500 feet of the project site

Resource	Location	Approximate Relative Distance
Tutor Time of Massapequa	100 Grand Avenue, Massapequa, NY	Adjacent to distribution exit feeder
Cohen Children's Northwell Health General Pediatrics at Massapequa	504 Hicksville Road (Route 107), Massapequa, NY	Adjacent to distribution exit feeder
Cardiology & Internal Medicine	510 Hicksville Road (Route 107), Massapequa, NY	Adjacent to distribution exit feeder
Lockhart Elementary School	199 Pittsburgh Avenue, Massapequa, NY	0.25 miles northeast of distribution exit feeder
Our Redeemer Nursery School	2025 Washington Avenue, Massapequa, NY	0.28 miles southwest of distribution exit feeders

E.1.h – Potential Contamination History – Remediation Sites

Site	NYSDEC ID No.	Distance (feet)	Direction	Address
LIRR Massapequa S15 Rectifier	130233	700	East of Distribution Exit Feeders	LIRR Massapequa Train Station (south of tracks)

E.1.h – Potential Contamination History – Spill Incidents

Spill Number	Date Spill Reported	Date Spill Closed	Spill Name	City/Town	Address
8602665	7/24/1986	7/29/1986	LILCO	MASSAPEQUA	BROOKLYN AVENUE
8701958	6/8/1987	1/9/1989	THE WOODS KNIFE CORP	MASSAPEQUA	10 BROOKLYN AVENUE
8702179	6/16/1987	6/19/1987	LILCO	MASSAPEQUA	BROOKLYN AVENUE & SEAFORD AVENUE
8704739	9/8/1987	9/11/1987	LILCO	MASSAPEQUA	BROOKLYN AVENUE
8804867	9/1/1988	9/17/1990	SLOMINS OIL CO	MASSAPEQUA	1 BROOKLYN AVENUE
9003087	6/18/1990	6/20/1990	GIANT SUPPLY COMPANY	MASSAPEQUA	20 BROOKLYN AVENUE
9113193	3/28/1992	12/2/1993	UNK	MASSAPEQUA	45 BROOKLYN AVENUE
9516347	3/20/1996	3/5/1998	CHARTER OIL CORPORATION	MASSAPEQUA	24 BROOKLYN AVENUE
9925259	8/18/1999	6/8/2005	UNKNOWN	MASSAPEQUA	2 BROOKLYN AVENUE
811037	1/5/2009	1/5/2009	GENERAL UTILITIES	MASSAPEQUA	50 BROOKLYN AVENUE
811600	1/22/2009	9/28/2010	GENERAL UTILITIES	MASSAPEQUA	48 BROOKLYN AVENUE
903405	6/23/2009	12/22/2009	MASSAPEQUA FIRE DISTRICT	MASSAPEQUA	2 BROOKLYN AVENUE
907619	10/7/2009	10/21/2009	GENERAL UTILITIES TERMINAL	MASSAPEQUA	27 BROOKLYN AVENUE
9002130	5/24/1990	2/24/1995	LINDA PROSCHKA	MASSAPEQUA	VETERANS BLVD.
8606965	2/13/1987	4/1/1987	M&M AUTOMATIC TRANSM	MASSAPEQUA	500 HICKSVILLE ROAD (ROUTE 107)
8709146	1/26/1988	4/6/1998	SHELL	MASSAPEQUA	HICKSVILLE ROAD (ROUTE 107) & SUNRISE HIGHWAY
8911758	3/13/1990	7/3/1991	GETTY PETROLEUM	MASSAPEQUA	520 HICKSVILLE ROAD (ROUTE 107)
0601802	5/18/2006	5/18/2006	GETTY #58576	MASSAPEQUA	520 HICKSVILLE ROAD (ROUTE 107)
0711007	1/17/2008	2/13/2008	TERMINAL	MASSAPEQUA	503 HICKSVILLE ROAD (ROUTE 107)
0804332	7/16/2008	9/17/2008	GETTY #58576	MASSAPEQUA	520 HICKSVILLE ROAD (ROUTE 107)
8905369	8/31/1989	9/1/1989	LILCO	MASSAPEQUA	BROADWAY & CLARK
9000258	4/9/1990	4/24/1990	KOSTOFF RESIDENCE	MASSAPEQUA	236 BROADWAY
9313044	2/3/1994	8/3/1999	CARLUCCIS PIZZA	MASSAPEQUA	528 BROADWAY

Spill Number	Date Spill Reported	Date Spill Closed	Spill Name	City/Town	Address
9710530	12/15/1997	12/30/1997	TEMI	MASSAPEQUA	544 BROADWAY
0225310	10/31/2002	2/11/2004	UNK	MASSAPEQUA	103 BROADWAY
0211653	2/24/2003	3/10/2003	UNKNOWN	MASSAPEQUA	21-37 BROADWAY
2005404	9/14/2020	9/14/2020	RESIDENCE	MASSAPEQUA	120 BROADWAY
0813292	3/10/2009	12/29/2010	GETTY # 58576	MASSAPEQUA	520 HICKSVILLE ROAD (ROUTE 107)
1506508	9/18/2015	9/2/2016	M&M TRANSMISSION	MASSAPEQUA	500 HICKSVILLE ROAD (ROUTE 107)
1805894	8/30/2018	10/3/2018	GLOBAL S/S	MASSAPEQUA	520 HICKSVILLE ROAD (ROUTE 107)

Part 3

#1 Impact on Land – The Proposed Action will be completed within a previously disturbed parcel of land (the Proposed Substation property), along existing public roadways, and along the transmission right-of-way located adjacent to a railroad corridor. The total disturbance for the Proposed Action is approximately 2.0 acres. The Proposed Substation property previously consisted of a fuel oil transfer and automotive repair facility, and is located in an area where many light industrial uses and existing utility infrastructure (existing transmission circuit, and the existing LIPA Massapequa Substation) exist. All other components of the Proposed Action will occur within public roadways and along existing utility circuits. Given the location of the Proposed Substation property within an industrial/commercial area, the UG installation and location of the feeders, and the presence of existing UG and OH infrastructure throughout the surrounding neighborhoods, the Proposed Action will be consistent with nearby land uses and will not significantly alter the character of the surrounding area.

#3 Impact on Surface Water – As the Proposed Action will require soil disturbance of an area greater than one acre, the Proposed Action requires coverage under the New York State Department of Environmental Conservation (NYSDEC) State Pollutant Discharge Elimination System (SPDES) General Permit for Stormwater Discharges from Construction Activity (NYSDEC SPDES Permit No. GP-0-20-001). Stormwater quality and volume will be addressed in a Stormwater Pollution Prevention Plan (SWPPP) that will be prepared in accordance with the requirements and the technical specifications set forth in the NYSDEC SPDES Permit No. GP-0-20-001 and New York State Stormwater Management Design Manual (NYSSMDM) or the “Blue Book”.

Three areas of the Proposed Action are located within NYSDEC-regulated freshwater wetland adjacent areas: i) along Jerusalem Avenue, to the north of the Tackapausha Nature Preserve; ii) along Locust Street, Seaford Avenue and Merrick Road, immediately north, south, and east of the Tackapausha Nature Preserve; and, iii) along Ocean Avenue, west of Massapequa Lake. Work activities to be completed in these areas include the installation of UG distribution cable and conduit by a combination of open-trench and horizontal direction drilling methods, and the replacement and installation of distribution poles. These work activities are authorized under PSEG Long Island’s NYSDEC General Freshwater Wetlands Permit (NYSDEC Permit No. 1 9901-00011/00032). All work within the regulated freshwater wetland adjacent areas will be performed in accordance with the conditions set forth in the permit. Thus, there will be no significant adverse impacts to the surface waters as a result of the Proposed Action.

#4 Impact on Groundwater - After completion of the Proposed Substation, herbicides will be applied annually inside the Proposed Substation property and immediately outside of the fencing to control vegetative re-growth. PSEG Long Island will follow best management practices and follow manufacturer's guidelines when applying these herbicides.

Due to the proposed depths of excavation activities, construction activities may encounter groundwater, particularly within the Proposed Substation property and during transmission pole activities, where depth to groundwater is relatively shallow (10 feet or less). Construction activities at these depths will be limited to installation of concrete substation foundations and footings for substation equipment and transmission poles. The vast majority of excavation activities will be completed above the water table.

It is not anticipated that construction dewatering will be necessary. However, in the event construction dewatering is necessary, groundwater will be discharged to on-site pervious areas or the sewer system in accordance with state and federal regulations, or will be containerized and transported off-site for disposal in accordance with state and federal regulations.

#5 Impact on Flooding - Portions of the distribution C&R work are located within the 100-year and 500-year floodplains. However, this work will be completed within/along paved public roadways or sidewalks, which will be restored in-kind upon completion of the work and will not result in any significant increase of impervious surfaces that would result in the potential for significant adverse impacts to flood levels, flood risk, or the flow of floodwaters on the site of the Proposed Action or within the vicinity.

#7 Impact on Plants and Animals - Portions of the off-site C&R work are located adjacent to Seaford Creek, Seamans Creek, and Massapequa Lake, waterbodies used for recreational fishing. However, the work will not encroach into these waterbodies and therefore will not impact the use of the waterways for those purposes. Thus, there will be no significant adverse impacts to open space and recreation as a result of the Proposed Action.

#9 Impact on Aesthetic Resources - Given the location of the Proposed Substation within an existing light industrial area, the presence of existing OH infrastructure that is either similar or taller in height than the Proposed Action, as well as the intervening vegetation and development that will limit visibility of the Proposed Action from the identified visual resources, the Proposed Action does not have the potential to result in significant increased adverse visual impacts.

Based on the results of the visual impact assessment, the Proposed Action will not result in significant adverse impacts on the visual character of the Study Area and will not result in significant alteration to the existing visual quality and visual resources in the project area. The Proposed Substation equipment and transmission pole installations will not significantly impair the visual landscape as experienced from any scenic or aesthetic resources and will not interfere with or reduce the public's, or area residents', enjoyment or appreciation of the appearance of any inventoried scenic, open space, or other resource. Thus, there will be no significant adverse visual impacts as a result of the Proposed Action.

#10 Impact on Historic and Archaeological Resources - Portions of the Proposed Action are located within New York State Office of Parks, Recreation and Historic Preservation ("OPRHP") designated archaeologically sensitive areas. In addition, within 0.5-mile of the Proposed Action there is one property that is listed on the State or National Register of Historic Places, and five properties eligible for listing on the State or National Register of Historic Places. A consultation request was submitted to the OPRHP on June 23, 2021, in order to evaluate the potential impact from the Proposed Action (inclusive of only the Proposed Substation, the preliminary design route for the distribution exit feeder, and transmission work area) on archaeological and/or historic resources. A response was received from the OPRHP on June 30,

2021 stating that the Proposed Action will have no impact on archaeological sensitive areas and/or historic resources listed in or eligible for the New York State and National Register of Historic Places. A copy of the OPRHP's Letter of No Impact is provided in Appendix B. The final distribution exit feeder routes will traverse public roadways adjacent to the public roadways that were submitted to OPRHP for consultation, and do not traverse any roadways containing properties listed or eligible for listing on the State or National Register of Historic Places.

The OH distribution C&R work will occur along various existing distribution circuits, and the UG distribution cable work will occur beneath public roadways, in the neighborhoods surrounding the Proposed Substation. This work will generally include the replacement or re-phasing of OH distribution wire, distribution pole replacements and installations, installation of standard pole-mounted switching equipment, and installation of UG distribution cable and conduit under existing paved public roadways. Select areas of this work may be located adjacent or in close proximity to the identified historic or archaeological resources. However, given that the nature of this work is similar to routine utility maintenance work, and will be located in previously disturbed areas where existing OH or UG utilities exist, this work will not result in a significant adverse impact on these resources.

#11 Impact on Open Space and Recreation - Portions of the off-site C&R work are located adjacent to Seaford Creek, Seamans Creek, and Massapequa Lake, waterbodies used for recreational fishing. However, the work will not encroach into these waterbodies and therefore will not impact the use of the waterways for those purposes. Thus, there will be no significant adverse impacts to open space and recreation as a result of the Proposed Action.

#15 Impact on Noise, Odor, Light - Total sound levels at the subject property lines following the completion of the Proposed Substation would not increase total sound levels greater than 1 dBA above existing ambient noise levels. NYSDEC Noise Policy Guidelines state that increases ranging from 0-3 dBA should have no appreciable effect on receptors. In addition, outdoor lighting located within the Proposed Substation property will result in negligible, if any, light spillage onto adjacent properties. Therefore, the Proposed Action will not result in any significant adverse noise or light impacts.

#16 Impact on Human Health - After completion of the Proposed Action, herbicides will be applied annually inside the Proposed Substation property and immediately outside of the fencing to control vegetative re-growth. PSEG Long Island will follow best management practices and follow manufacturer's guidelines when applying these herbicides.

There is one NYSDEC remediation site located within 2,000 feet of the Proposed Action. At its closest point to the Proposed Action, this site is located approximately 700 feet southeast of a distribution exit feeder. Given the distances of this site from the Proposed Action, exposure to contamination from this site, or impacts to remediation at this site are not anticipated.

NYSDEC spills were identified at and in the vicinity of the Proposed Action. Based on information provided in the NYSDEC Spills database, all of these incidents have been reported as closed (see Part 1, E.1.h above). Given these spills are closed and as proper health and safety protocols will be implemented during construction activities, exposure to contamination associated with these spills is not anticipated.

There are five identified facilities serving children, the elderly, or people with disabilities within 1,500 feet of the Proposed Action; however, none of these are located adjacent to the Proposed Substation property. Construction impacts associated with work beyond the limits of the Proposed Substation property will be temporary in nature, and thus will have no significant adverse impacts on these receptors.

#17 – Consistency with Community Plans - The 1998 Nassau County Comprehensive Plan does not specifically mention the Proposed Action site. However, the Nassau County Comprehensive Plan states that “the first major environmental Goal is to protect and preserve the County’s critical natural resources, including the wetlands, aquifers, shorelines, water bodies, open space, significant vegetation and nature preserves. The Proposed Substation property has been developed previously and is currently vacant. Construction within the Proposed Substation property, as well as construction within paved public roadways and existing OH transmission circuit will not reduce the County’s critical natural resources.

#18 – Consistency with Community Character - The Proposed Substation construction will result in some changes to land use to the Proposed Substation property. However, the Proposed Substation property has recently been used as a fuel oil transfer and automotive repair facility, and is located in an area where many light industrial uses currently exist, and where utility infrastructure currently exists (including the existing LIPA Massapequa Substation located along Brooklyn Avenue, approximately 0.19 miles west of the Proposed Substation). Therefore, the Proposed Substation will not result in significant adverse impacts to land use.

The distribution exit feeders, and any UG distribution cable connections will be located below existing paved public roadways and paved areas, where UG utility infrastructure currently exists. OH distribution C&R work will be completed in areas where existing OH utility infrastructure exists. Transmission pole activities will be completed along the existing transmission circuit, where existing transmission infrastructure exists. The OH transmission interconnection will span the adjacent Town of Oyster Bay Highway Yard, which is located directly adjacent to the existing OH transmission circuit and raised LIRR tracks. Given this information, the Proposed Action will not result in significant adverse impacts to community character.